

ABSTRACT OF THE DISCLOSURE

A method for obtaining relative positional relationships between a read-only head for reading data from an original disk and servo heads on each surface of magnetic disks (copy disks), in a magnetic data writing apparatus (disk servo writer) that stacks copy disks and an original disk to rotate the disks unitarily. The apparatus includes a rotary positioner on the periphery of the copy disks and a read-only disk, stacking the read-only head and servo heads rotatably. The apparatus causes the servo heads simultaneously to write servo data to respective assigned track ranges. The method includes stacking calibration disks storing servo data in place of the copy disks in a coaxial relation with the read-only head, in advance of writing magnetic data to the copy disks. Using the calibration disks, relative positional relationships are obtained as between the address that the read-only head reads out from the original disk and the addresses that servo heads read out from calibration disks at the same time that the read-only head reads out the address thereof.